Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120921\
Data File : VX025656.D
Acq On : 09 Dec 2021 13:31
Operator : JC/MD
Sample : M4884-20
Misc : 4.95g/5mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 10 01:59:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 10 01:57:45 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.769 | 114 | 142243 | 50.000 | ug/L | 0.01 |
| 28) Chlorobenzene-d5 | 10.061 | 117 | 130117 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 65710 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.368 | 65 | 21573 | 22.223 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = | 44.440%# | | |
| 7) Chloroethane-d5 | 1.648 | 69 | 14057 | 17.545 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = | 35.100%# | | |
| 11) 1,1-Dichloroethene-d2 | 2.282 | 63 | 33194 | 21.446 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 42.900%# | | |
| 21) 2-Butanone-d5 | 4.489 | 46 | 54837 | 75.886 | ug/L | 0.04 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = | 75.890% | | |
| 24) Chloroform-d | 5.068 | 84 | 55921 | 32.961 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 65.920%# | | |
| 26) 1,2-Dichloroethane-d4 | 5.964 | 65 | 38074 | 36.004 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 72.000% | | |
| 32) Benzene-d6 | 5.977 | 84 | 106971 | 31.020 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 62.040%# | | |
| 36) 1,2-Dichloropropane-d6 | 7.312 | 67 | 37125 | 34.771 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = | 69.540%# | | |
| 41) Toluene-d8 | 8.653 | 98 | 93382 | 28.689 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 57.380%# | | |
| 43) trans-1,3-Dichloroprop... | 8.958 | 79 | 15807 | 29.447 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 58.900%# | | |
| 47) 2-Hexanone-d5 | 9.397 | 63 | 37938 | 68.261 | ug/L | 0.01 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = | 68.260% | | |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84 | 57121 | 37.855 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = | 75.700% | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.323 | 152 | 45428 | 35.248 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 70.500%# | | |
| Target Compounds | | | | | | Qvalue |
| 15) Methyl Acetate | 2.733 | 43 | 1393 | 1.451 | ug/L # | 92 |
| 29) Cyclohexane | 5.465 | 56 | 6729 | 5.048 | ug/L | 89 |
| 34) Trichloroethene | 7.129 | 95 | 977591 | 1069.252 | ug/L | 94 |
| 35) Methylcyclohexane | 7.379 | 83 | 21524 | 14.958 | ug/L | 99 |
| 42) Toluene | 8.720 | 91 | 12542 | 3.272 | ug/L | 99 |
| 46) Tetrachloroethene | 9.275 | 164 | 21176 | 27.311 | ug/L | 98 |
| 49) Dibromochloromethane | 9.275 | 129 | 19734 | 18.505 | ug/L # | 12 |
| 52) Ethylbenzene | 10.195 | 91 | 4623 | 1.122 | ug/L | 94 |
| 53) m,p-Xylene | 10.305 | 106 | 8709 | 5.219 | ug/L | 92 |
| 54) o-Xylene | 10.647 | 106 | 8120 | 4.861 | ug/L | 98 |
| 60) Isopropylbenzene | 10.970 | 105 | 3942 | 0.933 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.457 | 105 | 2561 | 0.725 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 11.756 | 105 | 10263 | 2.876 | ug/L # | 79 |
| 71) Naphthalene | 13.780 | 128 | 23647 | 5.884 | ug/L | 100 |

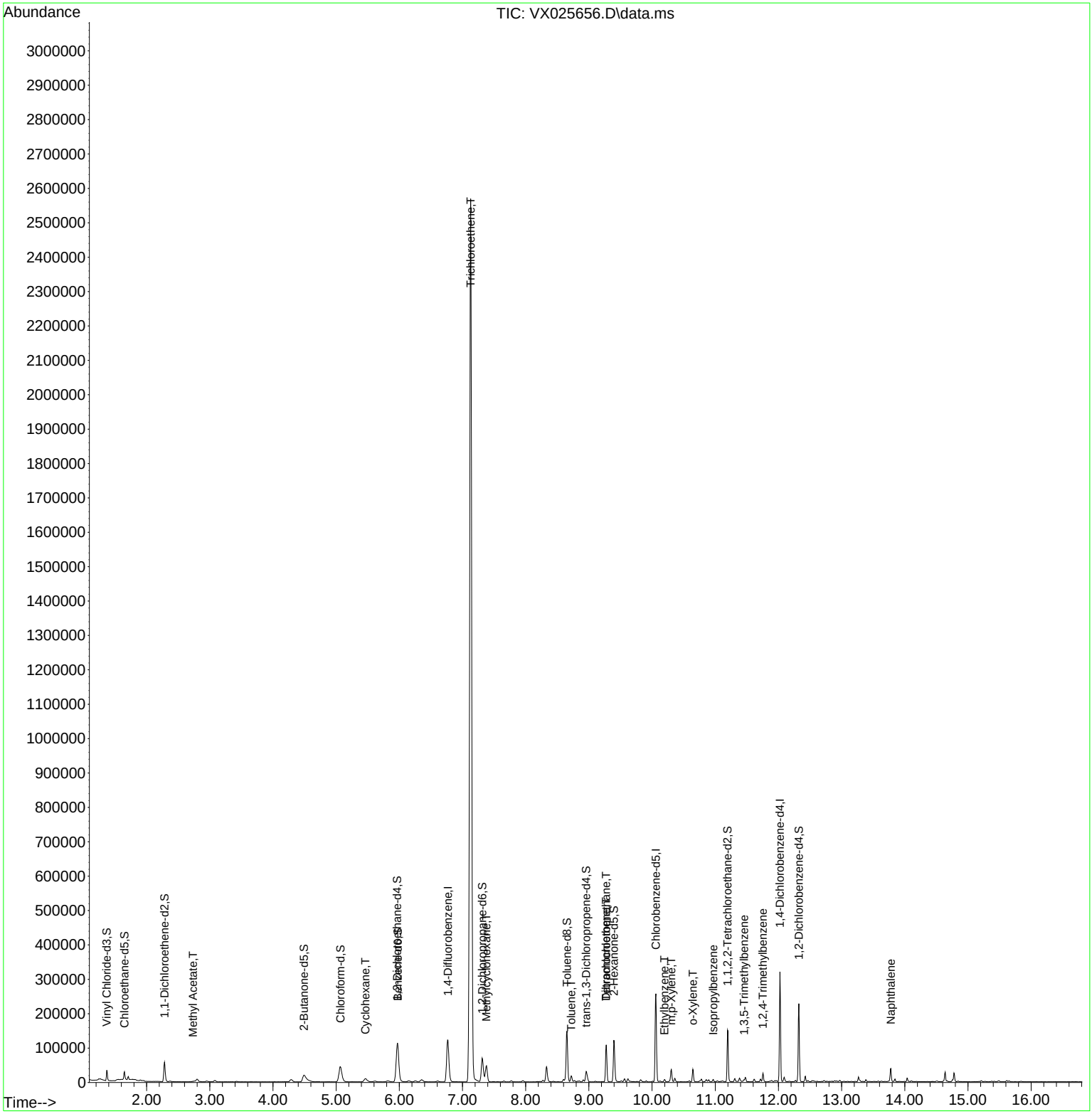
(#) = qualifier out of range (m) = manual integration (+) = signals summed

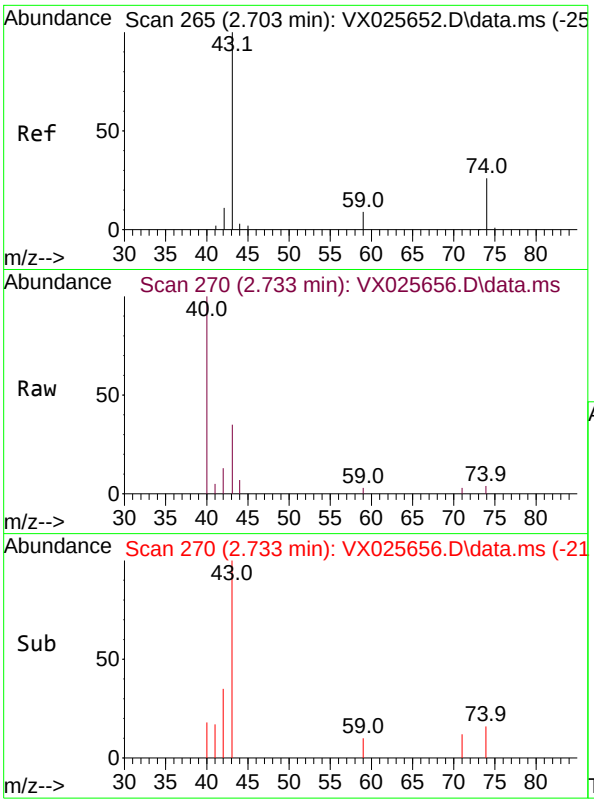
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120921\
Data File : VX025656.D
Acq On : 09 Dec 2021 13:31
Operator : JC/MD
Sample : M4884-20
Misc : 4.95g/5mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 10 01:59:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 10 01:57:45 2021
Response via : Initial Calibration



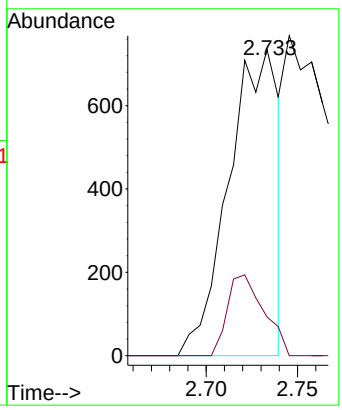


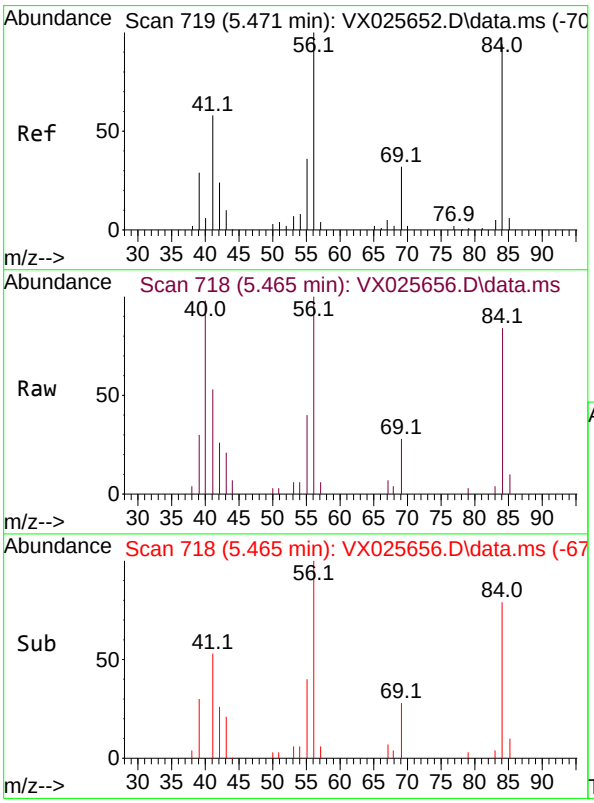

#15
Methyl Acetate
Concen: 1.451 ug/L
RT: 2.733 min Scan# 2
Delta R.T. 0.030 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 1393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 19.5 | 0.1 | 0.1# |

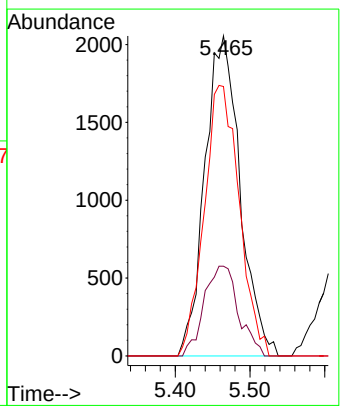


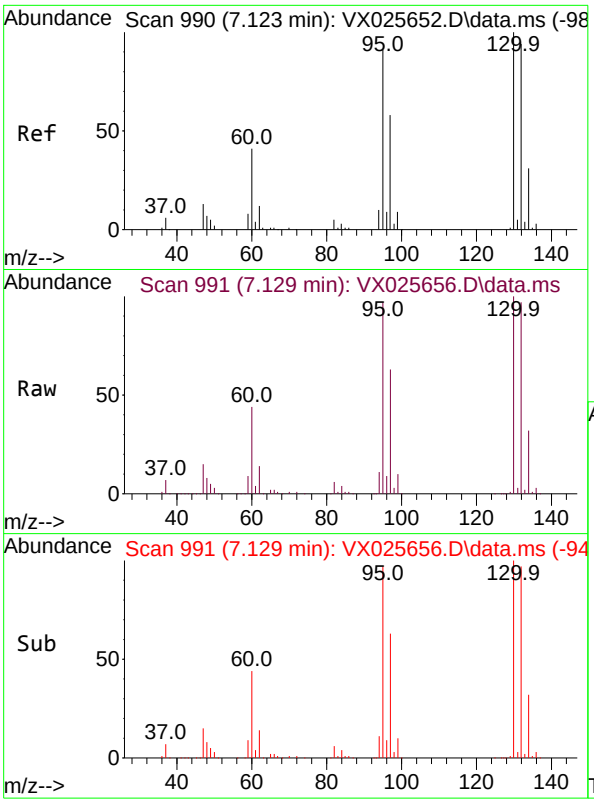




#29
Cyclohexane
Concen: 5.048 ug/L
RT: 5.465 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion: 56 Resp: 6729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.3 | 25.4 | 38.2 |
| 84 | 83.8 | 76.6 | 114.8 |



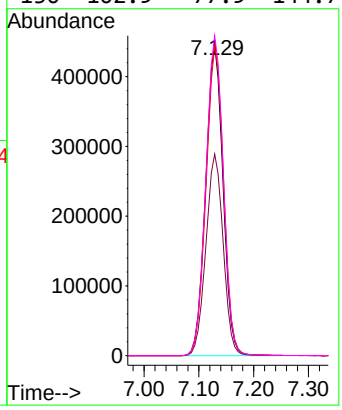


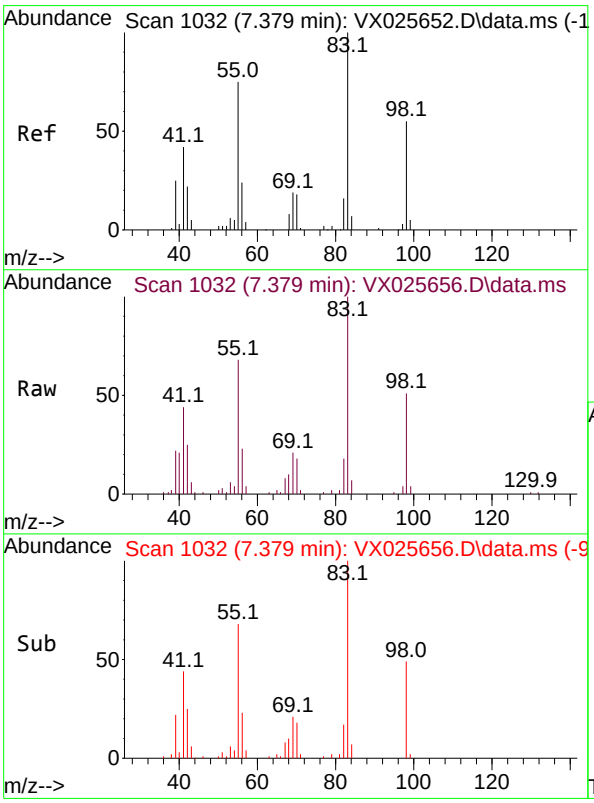

#34
Trichloroethene
Concen: 1069.252 ug/L
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 95 Resp: 977591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.8 | 46.0 | 85.4 |
| 132 | 99.5 | 75.0 | 139.2 |
| 130 | 102.9 | 77.9 | 144.7 |

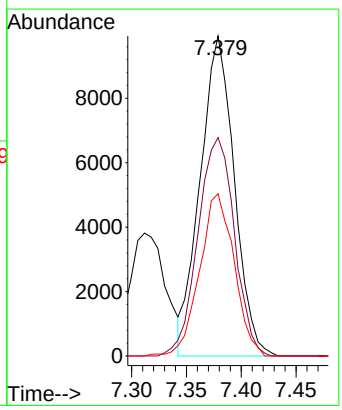


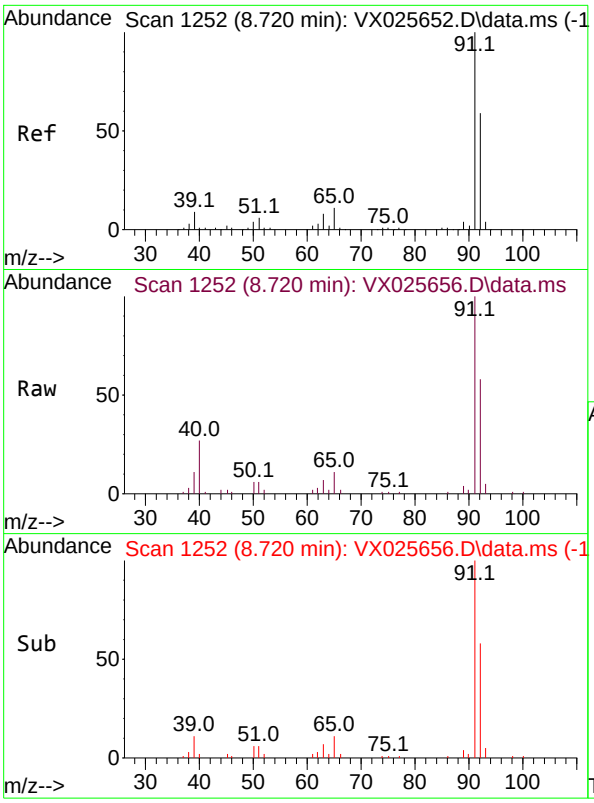




#35
Methylcyclohexane
Concen: 14.958 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion: 83 Resp: 21524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.9 | 57.3 | 85.9 |
| 98 | 51.0 | 41.1 | 61.7 |



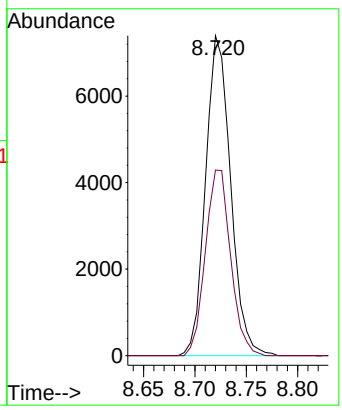


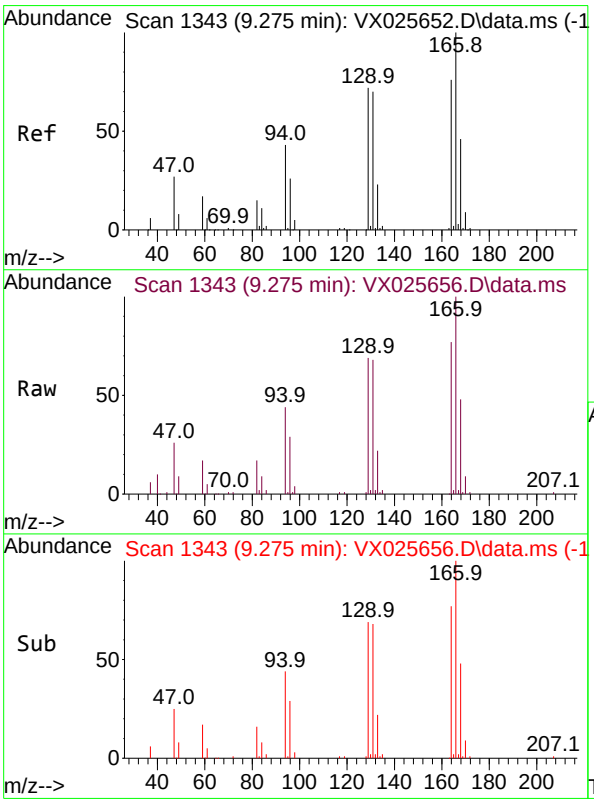

#42
Toluene
Concen: 3.272 ug/L
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 91 Resp: 12542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.0 | 41.2 | 76.6 |

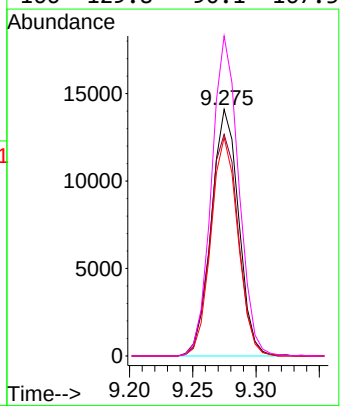


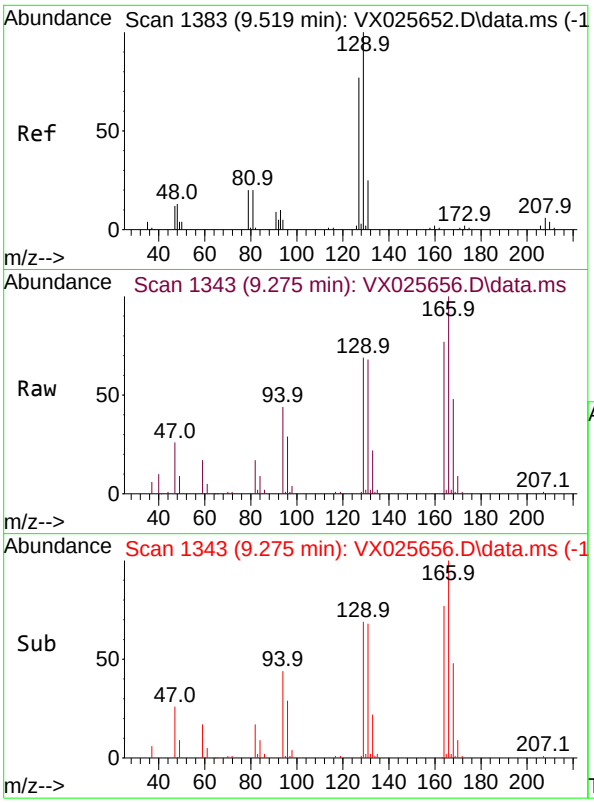




#46
Tetrachloroethene
Concen: 27.311 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion:164 Resp: 21176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 89.9 | 64.7 | 120.1 |
| 131 | 88.7 | 63.2 | 117.4 |
| 166 | 129.8 | 90.1 | 167.3 |



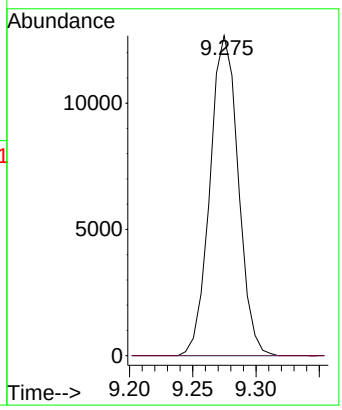


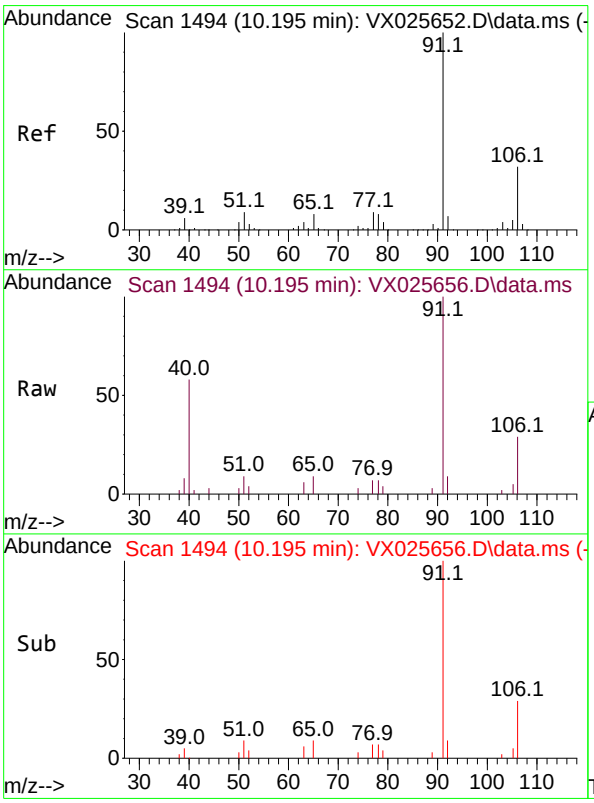

#49
Dibromochloromethane
Concen: 18.505 ug/L
RT: 9.275 min Scan# 1
Delta R.T. -0.244 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:129 Resp: 19734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 52.4 | 97.2# |

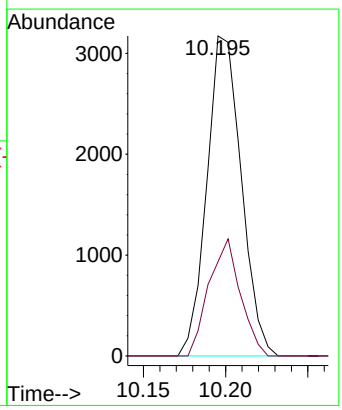


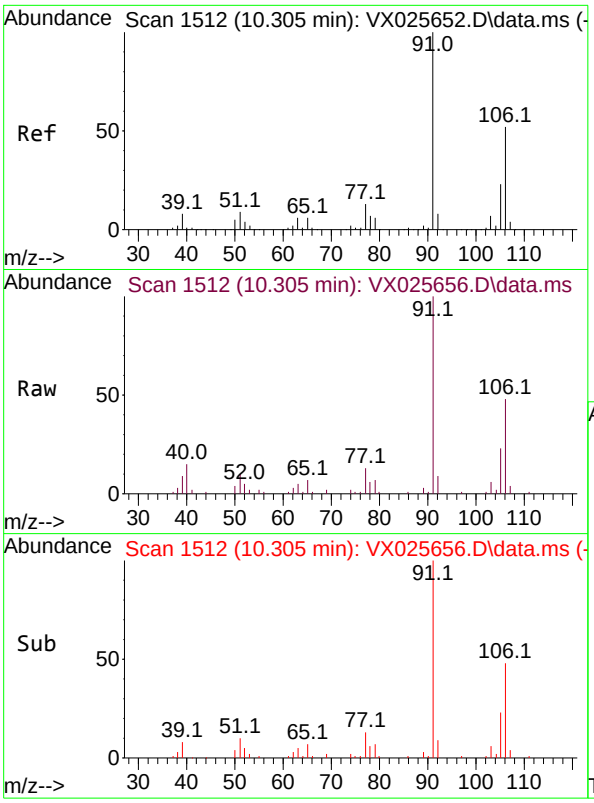




#52
Ethylbenzene
Concen: 1.122 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion: 91 Resp: 4623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 23.1 | 42.9 |



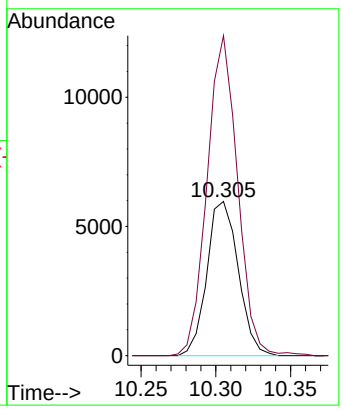


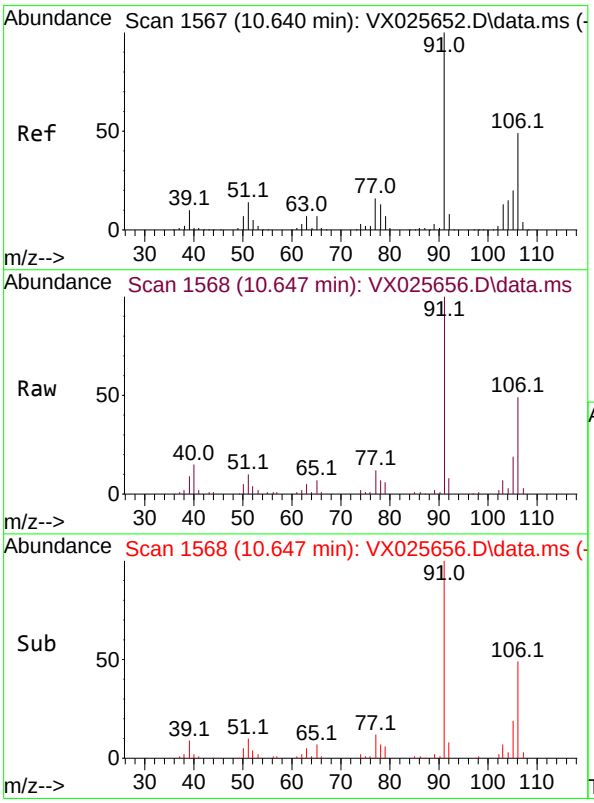

#53
m,p-Xylene
Concen: 5.219 ug/L
RT: 10.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:106 Resp: 8709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.5 | 136.8 | 254.2 |

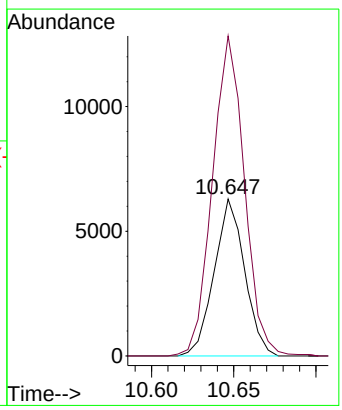


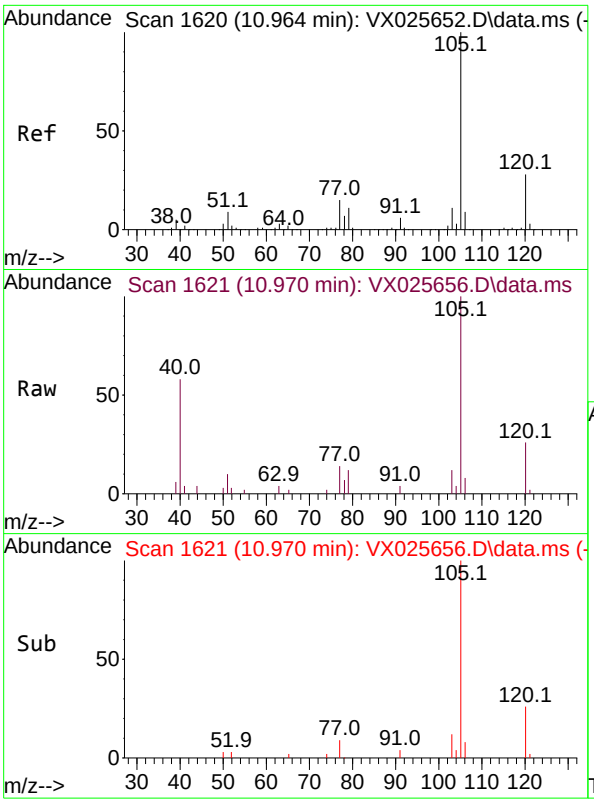




#54
o-Xylene
Concen: 4.861 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion:106 Resp: 8120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.8 | 140.5 | 260.9 |



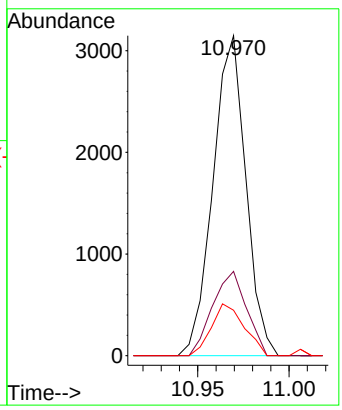


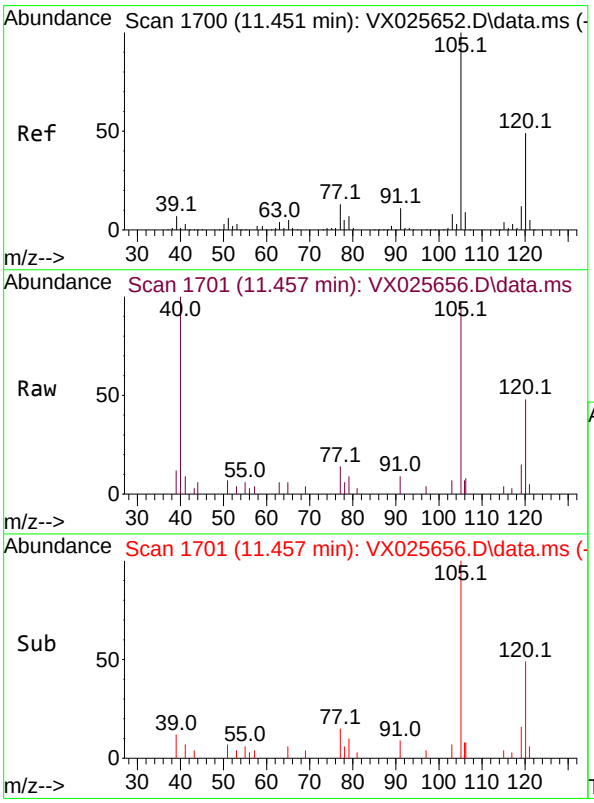

#60
Isopropylbenzene
Concen: 0.933 ug/L
RT: 10.970 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:105 Resp: 3942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.1 | 22.3 | 33.5 |
| 77 | 16.2 | 11.5 | 17.3 |

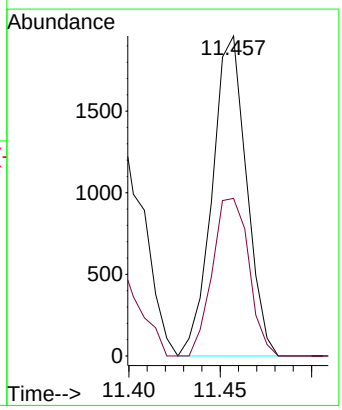


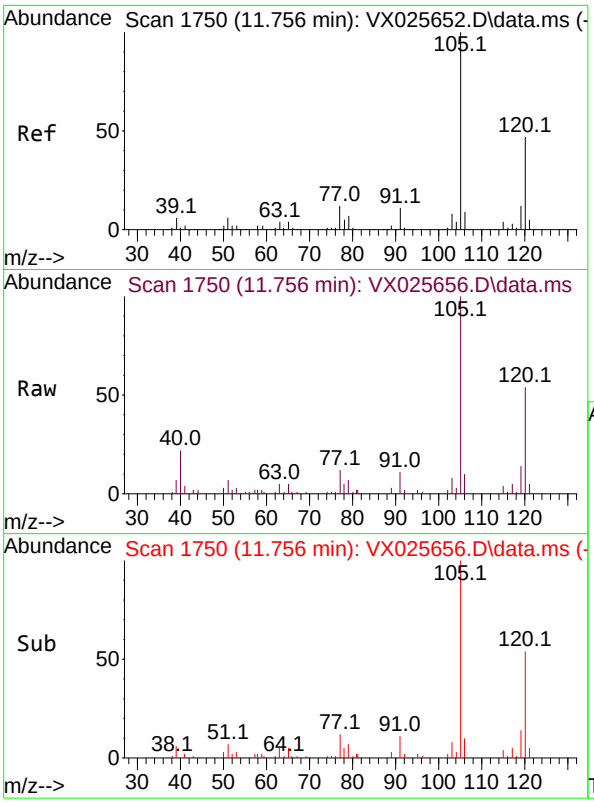




#62
1,3,5-Trimethylbenzene
Concen: 0.725 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion:105 Resp: 2561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 52.3 | 41.0 | 61.4 |



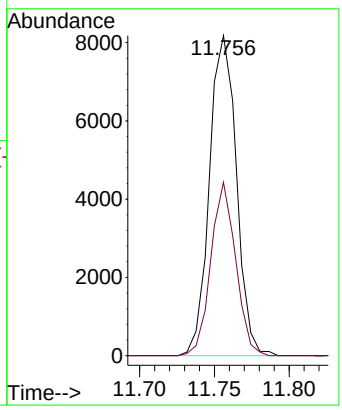


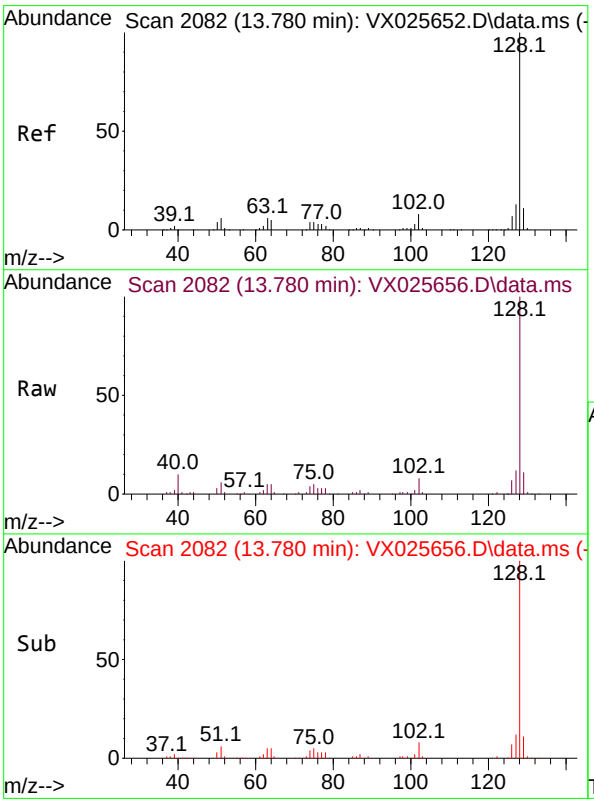

#63
1,2,4-Trimethylbenzene
Concen: 2.876 ug/L
RT: 11.756 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:105 Resp: 10263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.8 | 0.1 | 0.1# |




#71
Naphthalene
Concen: 5.884 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025656.D
Acq: 09 Dec 2021 13:31

Tgt Ion:128 Resp: 23647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 10.1 | 15.1 |
| 129 | 11.1 | 8.7 | 13.1 |